# EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
| | | "phase inversion" and and emulsion and "K/min" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 13:43 |
| S1 | 0 | stange-olaf$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/06 19:21 |
| S2 | 10 | stange-olaf$.inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/06 19:21 |
| S3 | 12 | mutter-martina$.inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/06 19:21 |
| S4 | 2 | oswald-tanja$.inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/06 19:21 |
| S5 | 37 | schmitz-mark$.inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/06 19:21 |
| S6 | 55 | S1 S2 S3 S4 S5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/06 19:21 |

| S7 | 0 | stange-olaf$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/07 22:30 |
| S8 | 10 | stange-olaf$.inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/07 22:30 |
| S9 | 12 | mutter-martina$.inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/07 22:30 |
| S10 | 2 | oswald-tanja$.inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/07 22:30 |
| S11 | 37 | schmitz-mark$.inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/07 22:30 |
| S12 | 55 | S7 S8 S9 S10 S11 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/07 22:30 |
| S13 | 3 | S12 and emulsion | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/07 22:30 |
| S14 | 21 | "phase inversion" and "membrane emulsification" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/07 22:31 |
| S15 | 1 | ("6951891").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/08 10:27 |

| S16 | 2 | de-19630176$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/08 11:16 |
|-----|---|-------------------|----------------------------------------------------------|----|----|------------------|
| S17 | 0 | "w/o/w" and membrane and "phase$inversion" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/08 11:17 |
| S18 | 2 | "w/o/w" and membrane and phase$inversion | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/08 11:17 |
| S19 | 238 | membrane and phase $inversion | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/08 11:18 |
| S20 | 26 | S19 and antigen | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/08 11:18 |
| S21 | 0 | membrane$emulsification and phase$inversion | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/08 11:19 |
| S22 | 25 | (membrane with emuls $9) and phase$inversion | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/08 11:20 |
| S23 | 0 | ("2002051748").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/08 12:29 |
| S24 | 1 | ("6251407").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/08 12:29 |
| S25 | 0 | ("200251748").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/08 12:29 |
| S26 | 1 | ("20020051748").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/08 12:29 |

| S27 | 14599887 | "4"? | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/08 12:29 |
| S28 | 2 | S26 S24 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/08 12:29 |
| S29 | 21 | "multiple emulsification" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/08 14:54 |
| S30 | 258 | "membrane emulsification" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/08 14:55 |
| S31 | 50 | "membrane emulsification" and antigen | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/08 14:55 |
| S32 | 5503179 | "membrane emulsification" and ceramic and pore and emulsifier pressure | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/08 15:03 |
| S33 | 14 | "membrane emulsification" and ceramic and pore and emulsifier and pressure | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/08 15:03 |
| S34 | 258 | "membrane emulsification" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/08 15:37 |
| S35 | 15 | nakashima-tadao$.inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/08 15:44 |

| S36 | 0 | marita-moeritz$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 12:56 |
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| S37 | 0 | marita-moeritz$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 12:57 |
| S38 | 0 | marita-moeritz$.inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 12:57 |
| S39 | 1 | moeritz-marita$.inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 12:57 |
| S40 | 312 | "phase inversion temperature" and cooling | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 12:59 |
| S41 | 13 | "phase inversion temperature" and cooling and antigen | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 12:59 |
| S42 | 13 | "0.3 k/min" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 13:02 |
| S43 | 170 | "phase inversion" and "cooling rate" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 13:21 |
| S44 | 140 | emulsion phase inversion "cooling rate" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/02/10 13:27 |

| S45 | 2 | "phase inversion" and "cooling rate" and emulsion and "K/min" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 13:43 |
| S46 | 4 | "phase inversion" and emulsion and "K/min" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 13:43 |
| S47 | 8 | "phase inversion" and "K/min" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 13:43 |
| S48 | 316 | emulsion and "K/min" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 13:44 |
| S49 | 71 | emulsion with "cooling rate" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 14:00 |
| S50 | 1 | ("6251407").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/10 14:29 |
| S51 | 1 | ("20020051748").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/10 14:29 |
| S52 | 2 | S51 S50 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 14:29 |
| S53 | 0 | ep-0489181$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 14:29 |
| S54 | 0 | ep-00489181$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 14:30 |
| S55 | 1 | ("5316773").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/10 14:31 |

| S56 | 3 | S52 S55 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 14:31 |
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| S57 | 0 | ep-0564738 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 14:31 |
| S58 | 0 | ep-0564738$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 14:31 |
| S59 | 2 | ep-564738$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 14:31 |
| S60 | 5 | S59 S56 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 14:31 |
| S61 | 2 | wo-9000150$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 14:31 |
| S62 | 7 | S61 S60 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 14:31 |
| S63 | 0 | phase$inversion $temperature and "cooling rate" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 14:33 |
| S64 | 258 | "membrane emulsification" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 14:55 |

| S65 | 50 | S64 and antigen | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 15:13 |
|-----|-----|-----|-----|-----|-----|-----|
| S66 | 249 | spg and emulsion and antigen | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/10 15:21 |
| S67 | 12 | "multiple emulsion" and phase$inversion and w/o/ w | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/11 12:23 |
| S68 | 14 | "multiple emulsion" and phase$inversion | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/11 12:25 |
| S69 | 6 | "double emulsion" and phase$inversion | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/11 12:27 |
| S70 | 356 | emulsion and phase $inversion | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/11 12:28 |
| S71 | 41 | S70 and PIT | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/11 12:28 |
| S72 | 0 | ep-0489181$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/11 12:59 |
| S73 | 2 | ep-489181$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/11 12:59 |

| S74 | 1 | ep-481982$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/11 13:01 |
| S75 | 1 | ep-489182$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/11 13:02 |
| S76 | 79765 | otsuka | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/11 13:02 |
| S77 | 3 | otsuka-pharmaceutical | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/11 13:02 |
| S78 | 7 | otsuka$pharmaceutical | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/11 13:03 |
| S79 | 1972 | nishibayashi$.inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/11 13:04 |
| S80 | 27 | nishibayashi-toru$.inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/11 13:05 |
| S81 | 1 | ("6251407").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/11 13:17 |
| S82 | 2 | ("6251407").URPN. | USPAT | OR | ON | 2010/02/11 13:21 |
| S83 | 710 | w/o and emulsion and membrane and emulsification | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/11 15:09 |

| S84 | 65 | phase$inversion porous membrane | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2010/03/08 17:47 |
| S85 | 65 | phase$3inversion porous membrane | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2010/03/08 17:47 |
| S86 | 1 | ("20070253986").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/03/08 17:48 |

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